Data Exporting and Transmission

Presented by

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Introduction

- Introduction of DSHS HIV Prevention Data Analytics team
 - An Overview of Texas HIV Testing Data Reporting

Training Outline

Overview

• Lesson 1: The Microsoft Access database

• Lesson 2: The file export process

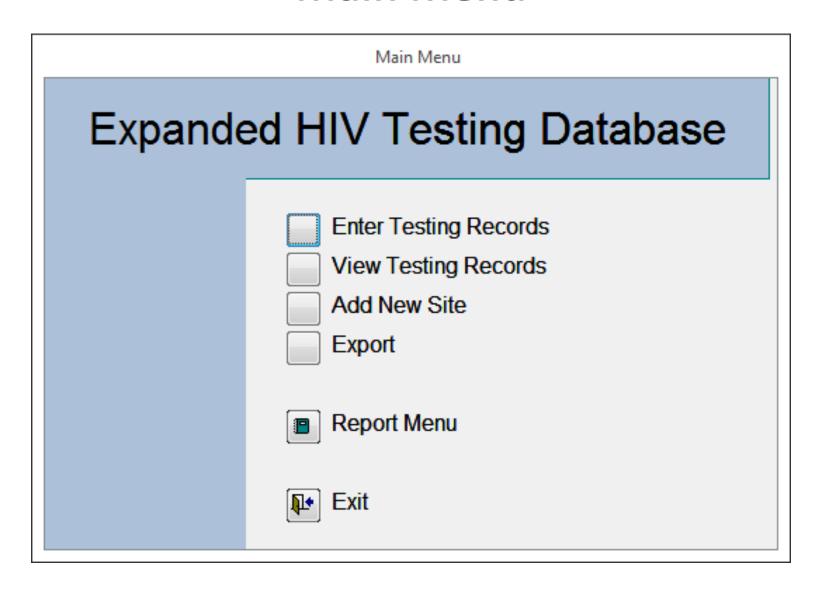
Lesson 3: Uploading data to TxPHIN

Lesson 1: The Microsoft Access Database

At the end of this lesson, you will be able to:

- Navigate the Access database
- Use functions in the database
- Do's and Don'ts with your database
 - Save the database properly

Main Menu



Client Testing Information Screen

				Clie	ent Testing I	nformation	ı				
Texas DSHS HIV Expanded Testing											
DSHS ID	(New)				Birth Da	ate		Sex wi	th Male		•
Client ID					Sex		•	Sex wi	th Female		•
Organization				•	Transge	ender	▼	Injectio	n Drug Use		•
Site				•	Race			▼ Notes			
Funding Source	Expanded Testin	ıg	•		Hispani	С	•				
Test Date					Zip						
Previously Tested	for HIV		•								
L	ast Test: Month	Year									
				н	V Test	ina					
	HIV Test				V 1030		Name				
	Test Result				-	First			МІ		
	Specimen Typ	oe		•		Last					
	Client Receive	_		-	1	Linka	ge to Care				
	Date Result R	eceived			,		al to Medical Ca	re	-		
						Initial /	Appointment Date	e			
	Potur	n to Main	Monu	٨٨	d Now F	Occord.			AA.		
	Retur	n to Main	Menu	Ad	d New F	Record			44		
	Retur	n to Main	Menu	Ad	d New F	Record			44		

Some Additional Features

Return to Menu

Returns user to the main menu



Undoes the last field entry

Add New Record

Creates blank form for a new record

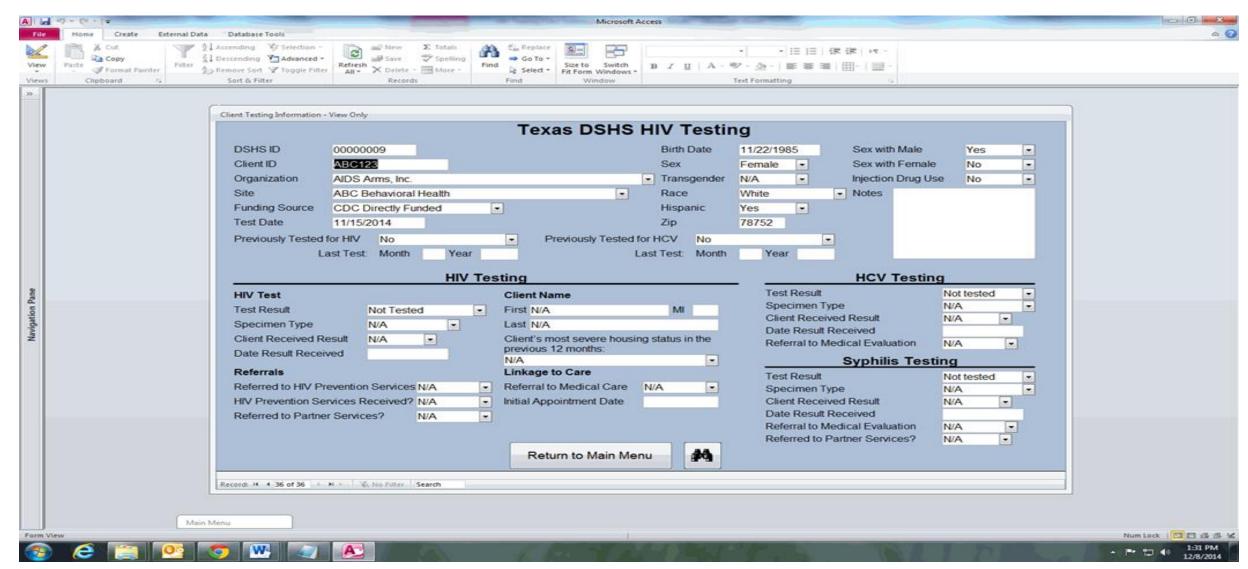


Searches for matching fields



Deletes the entire record – USE CAREFULLY!!

View Testing Records Mode



Lesson 1: Wrap-up

Questions??

Lesson 2: The File Export Process

At the end of this lesson, you will be able to:

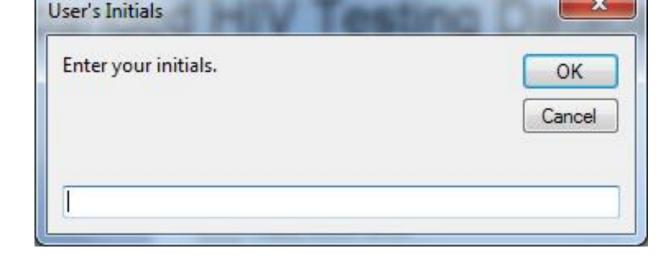
- Export your data from the database
 - Understand what XML is
- Understand what file compression is
- Know who to contact when experiencing problems

Data Entered, Ready To Export!

• From the Main Menu, Click Export

Enter your initials when prompted, press OK

 Enter the location (path) where you would like to export your data to, press OK – (Note: The location must already exist)



You will receive the message "Export Complete"

Data Entered, Ready To Export!

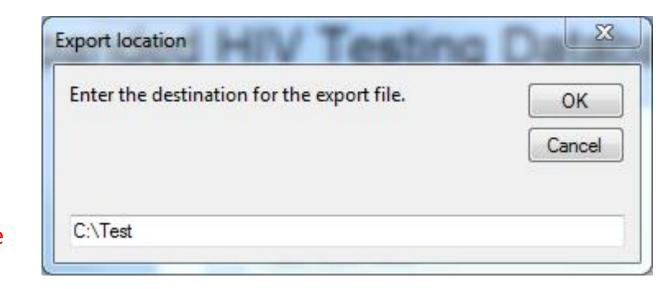
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 Enter the location (path) where you would like to export your data to, press OK –

(Note: The location must already exist)

You will receive the message "Export Complete"



Data Entered, Ready To Export!

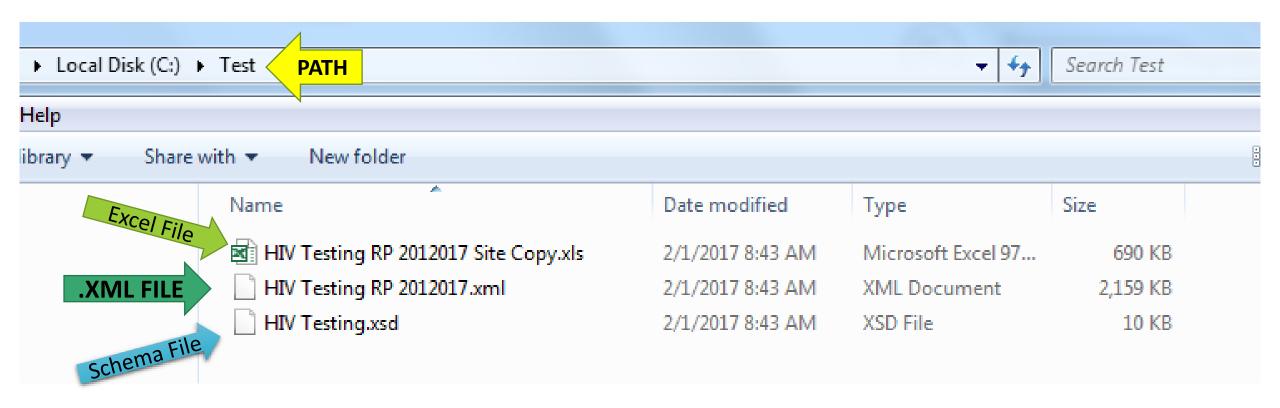
• From the Main Menu, Click Export

Enter your initials when prompted, press OK

- Enter the location (path) where you would like to export your data to, press OK – (Note: The location must already exist)
- You will receive the message "Export Complete"



Your Export Result Should Look Somewhat Like This...



What Is XML? – (Extensible Markup Language)

```
C:\Documents and Settings\Administrator\M...
          file:///C:/Documents% V 4 X Google
                                          Links >
         View Favorites Tools Help
        <?xml version="1.0" encoding="utf-8" ?>
   <Employees>
  - <Employee>
      <EmplNumber>48-705</EmplNumber>
      <FirstName>John</FirstName>
      <LastName>Cranston</LastName>
      <HourlySalary>16.48</HourlySalary>
    </Employee>
    <Employee>
      <EmplNumber>22-688</EmplNumber>
      <FirstName>Annie</FirstName>
      <LastName>Loskar</LastName>
      <HourlySalary>12.50</HourlySalary>
    </Employee>
  - <Employee>
      <EmplNumber>85-246</EmplNumber>
      <FirstName>Bernie</FirstName>
      <LastName>Christo</LastName>
      <HourlySalary>22.52</HourlySalary>
    </Employee>
  - <Employee>
      <EmplNumber>70-155</EmplNumber>
      <FirstName>Ernestine</FirstName>
      <LastName>Borrison</LastName>
      <HourlySalary>20.14</HourlySalary>
    </Employee>
  </Employees>
                 My Computer
                                     100%
```

HOW FILE COMPRESSION WORKS

- File-compression programs simply get rid of the redundancy. Instead of listing a piece of information over and over again, a file-compression program lists that information once and then refers back to it whenever it appears in the original program.
 - As an example, let's look at a type of information we're all familiar with: words.
 Consider the following line

"Ask not what your country can do for you -- ask what you can do for your country."

The quote has 17 words, made up of 61 letters, 16 spaces, one dash and one period. If each letter, space or punctuation mark takes up one unit of memory we get a total file size of 79 units. To get the file size down, we need to look for redundancies.

Immediately, we notice that:

"ask" appears two times , "what" appears two times, "your" appears two times "country" appears two times , "can" appears two times , "do" appears two times "for" appears two times , "you" appears two times







Compression Exists in Digital Media – All To Save Space!



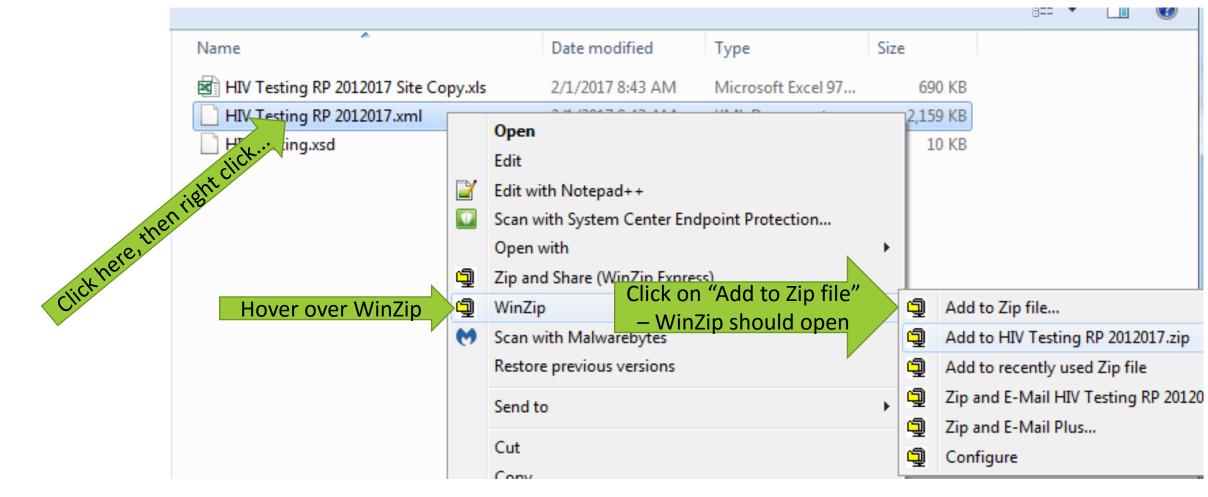
Compressed by 90%- 5.93 KB



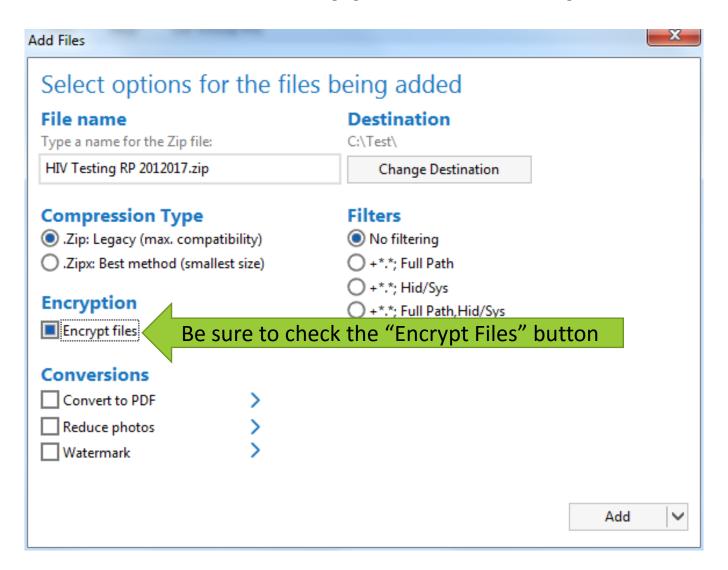
Uncompressed- 57.5 KB



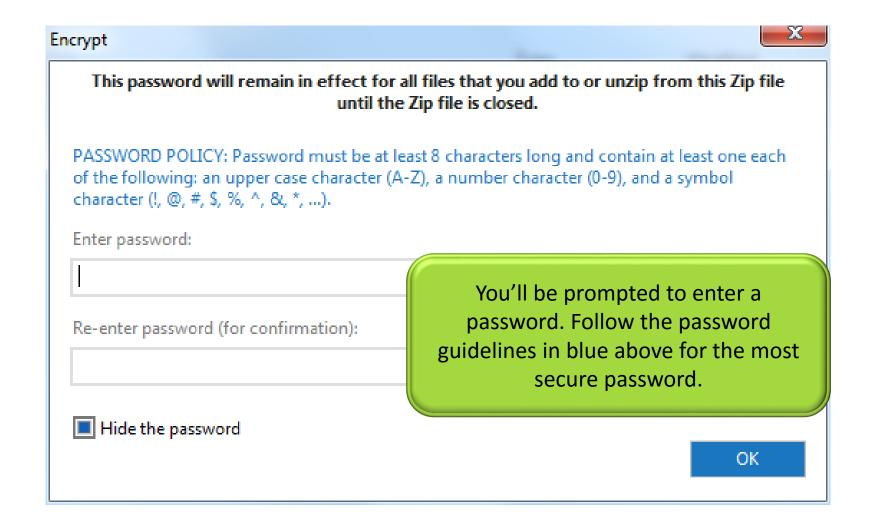
How To Compress (Zip) Your .XML file



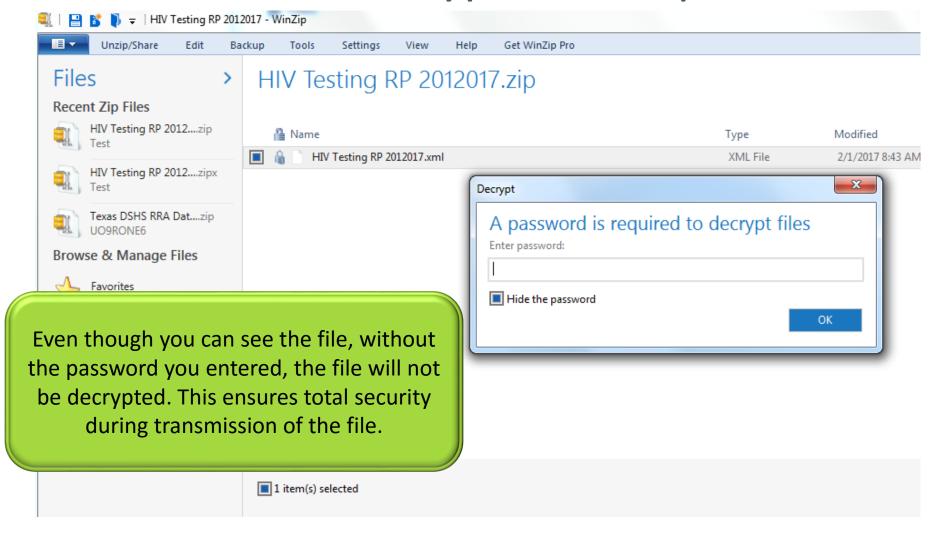
How To Encrypt Your .zip file



How To Encrypt Your .zip file



How To Encrypt Your .zip file



A Few Things To Remember When Zipping Files...

- All files uploaded to the PHIN need to be encrypted for HIPAA security
- **ENSURE** there is a "**.zip**" at the end of the filename before uploading to the PHIN, without it, the computer cannot read the file
- The filename should include which data you are sending e.g. "AIDSArms HIV Testing (date).zip", or "AIDSArms RRA (date)"
- Adding the date into the filename is important as well e.g. "AidsArms HIV Testing 032217.zip"

When to contact DSHS for Support

- When you receive an error message you didn't receive previously
- When you cannot compress or encrypt your data for transmission
- If you have difficulty logging in to TxPHIN
- When you cannot upload or download data from TxPHIN
- If you cannot find your exported data from your MS Access database
- If you receive an error opening your MS Access database
- If you receive an error while entering data into your MS Access database
- If you believe your data is corrupted or missing but was once there

Data Technical Support



Ryan Pickett – System Support Specialist
 512-533-3117 (Office)
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Michael Horne – ARIES Data Team Lead
 512-533-3107 (Office)
 michael.horne@dshs.state.tx.us

Lesson 2: Wrap-up

Questions??

Lesson 3: Uploading to TxPHIN

At the end of this lesson, you will be able to:

- Access the PHIN with your user account information
 - Upload data to your folder securely
- Delete unwanted files from your folder (if permitted)
- Download files intended for you to use from your folder

Submitting to TXPHIN





The Texas Public Health Information Network (PHIN) is an online portal containing a collection of applications which provide users with a range of functions to carry out public health preparedness goals and duties. Click here for a tutorial on registering and navigating the PHIN, and here for Health Alert Network (HAN) training.

To learn more about TXPHIN, please visit About TXPHIN

Sign In to Yo	
Email	
Password	
Forgot password	1?
Remembe	r me
Log In	Need an account?

If You Are A New User to TxPHIN...

lew user (* = Required field)
First Name *
ast Name *
Preferred name to be displayed
email address *
Password * (6 chars minimum with no special characters, at least 1 digit and at least 1 capital letter.)
Password Confirmation
Preferred language English ✓
lob title
Office Fax
Office Phone
Home Phone
Mobile Phone
Choose your home jurisdiction from the dropdown or choose 'Texas' from the dropdown to indicate that our operating jurisdiction is statewide. Choose a county or one of the DSHS Health Service Regions isted under 'R' for 'Region'.
Are you a public health professional? \square
Sign Up or Cancel

I'm Logged In. Now What??

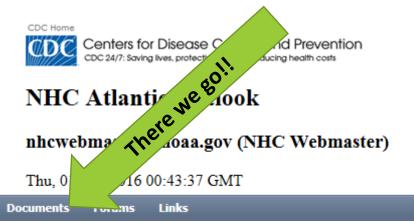
- The "Documents" button is all the way down in the lower lefthand corner of the web browser.
- This is the area of the PHIN that will allow you to upload your encrypted data safely into your agency folder.



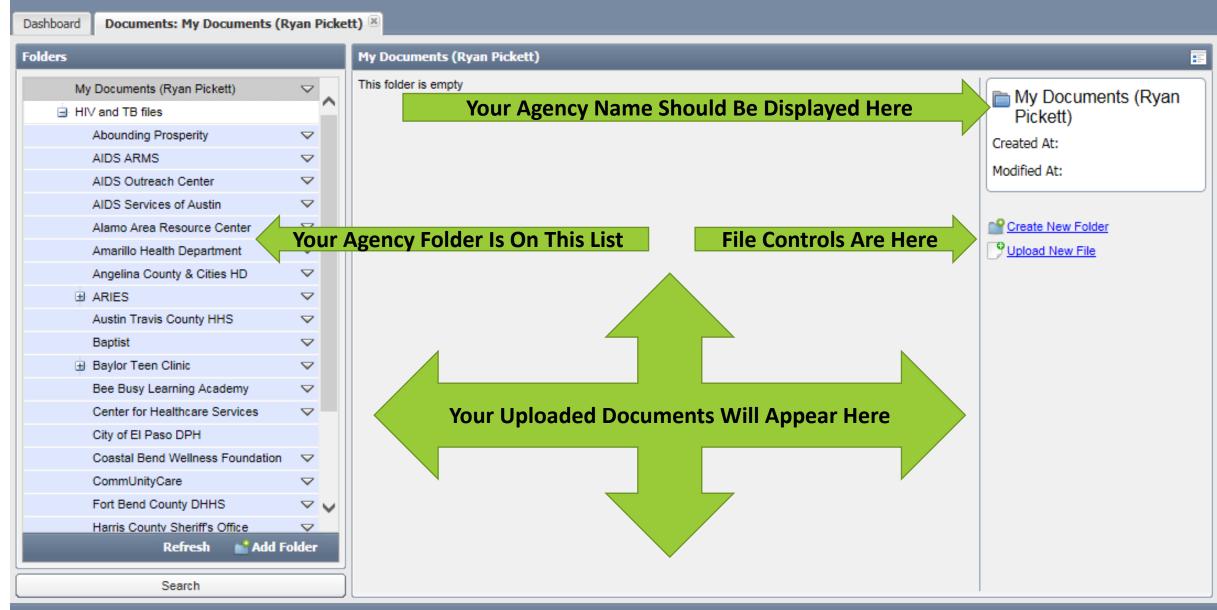


Emergency Preparedness and Response

The CDC Emergency Preparedness and Response website is CDCs primary source of information and resources for preparing for and responding to public health emergencies. This site continues to keep the public informed about public health emergencies and provides the information needed to protect and save lives.



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Lesson 3: Wrap-up

Questions??